Docket No. RTN-170AUS

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

- 1 1. (Currently Amended) A computer implemented method of storing commands, comprising:
- 2 recording a first set of commands to a command queue to provide a first dynamic
- snapshot, wherein the first dynamic snapshot corresponds to a set of commands associated with a first system state;
- 5 storing the first dynamic snapshot at a first time;
- 6 recording one or more additional sets of commands to the command queue;
- storing the one or more additional sets of commands, wherein storing a first one of the one or more additional sets of commands is spaced in time from storing a second one of the one
- 9 or more additional sets of commands by a first storage interval;
- eliminating selected ones of overriding overridden, redundant, and or superfluous
- 11 commands from the command queue to provide a second dynamic snapshot, wherein the second
- 12 dynamic snapshot corresponds to a set of commands associated with a second system state; and
- storing the second dynamic snapshot at a second time, wherein a difference between the
- 14 first time and the second time corresponds to a second storage interval.
- 1 2. (Original) The method of claim 1, wherein the first storage interval is less than one second.
- 1 3. (Original) The method of Claim 1, wherein the first storage interval is less than five seconds.
- 1 4. (Original) The method of Claim 1, wherein the first storage interval is less than sixty
- 2 seconds.
- 1 5. (Original) The method of Claim 1, wherein the second storage interval is greater than sixty
- 2 seconds.

- 6. (Original) The method of Claim 1, wherein the second storage interval is greater than five
- 2 minutes.
- 1 7. (Original) The method of Claim 1, wherein the second storage interval is greater than ten
- 2 minutes.
- 8. (Original) The method of Claim 1, wherein the commands include scene graph display
- 2 commands associated with a graphical display.
- 1 9. (Currently Amended) The method of Claim 1, wherein the commands include two-
- 2 dimensional display commands associated with a scene graph and associated with a graphical
- 3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
- 4 circuit board.
- 1 10. (Original) The method of Claim 1, wherein the commands are associated with an air traffic
- 2 control (ATC) display.
- 1 11. (Original) The method of Claim 1, wherein the recording the first set of commands and the
- 2 recording the one or more additional set of commands are adapted to store the first set of
- 3 commands and the one or more additional sets of commands in an electronic solid-state
- 4 memory.
- 1 12. (Original) The method of Claim 1, wherein the storing the first and second dynamic
- 2 snapshots and the storing the one or more additional sets of commands are adapted to store the
- 3 first and second dynamic snapshots and the one or more additional sets of commands in a non-
- 4 volatile memory.

Docket No. RTN-170AUS

- 1 13. (Original) The method of Claim 12, wherein the non-volatile memory comprises at least one of an electronic non-volatile memory and a tape recorder.
- 1 14. (Original) The method of Claim 1, further including:
- 2 receiving a time of interest, wherein the time of interest is between the first time and the 3 second time;
- 4 retrieving the first dynamic snapshot;
 - retrieving selected ones of the one or more additional sets of commands, wherein the selected ones of the one or more additional sets of commands include commands recorded at or before the time of interest:
 - appending the selected ones of the one or more sets of commands to the first dynamic snapshot to provide an intermediate dynamic snapshot associated with the time of interest; and interpreting the commands associated with the intermediate dynamic snapshot.
- 1 15. (Currently Amended) The method of Claim 14, further including eliminating selected ones
- 2 of overriding overridden, redundant, and or superfluous commands from within the intermediate
- 3 dynamic snapshot.

5

6 7

8 9

10

- 1 16. (Currently Amended) The method of Claim 14, wherein the commands include display
- 2 commands associated with a scene graph and associated with a graphical display, which
- 3 commands are adapted for interpretation by a three dimensional (3D) graphics circuit board, and,
- 4 wherein the interpreting the commands includes generating the graphical display.
- 1 17. (Currently Amended) The method of Claim 14, wherein the commands include two-
- 2 dimensional display commands associated with a scene graph and associated with a graphical
- display, which commands are adapted for interpretation by a three dimensional (3D) graphics
- 4 circuit board, and wherein the interpreting the commands includes generating the graphical
- 5 display.

- 1 18. (Original) The method of Claim 14, wherein the commands are associated with an air traffic
- 2 control (ATC) display, wherein the interpreting the commands includes generating the ATC
- 3 display.
- 1 19. (Original) The method of Claim 1, further including:
- receiving a time of interest, wherein the time of interest is between the first time and the second time;
- 4 retrieving the first dynamic snapshot;
- 5 interpreting the first dynamic snapshot
- retrieving selected ones of the one or more additional sets of commands, wherein the
 selected ones of the one or more additional sets of commands include commands recorded at or
 before the time of interest; and
- 9 interpreting the selected ones of the one or more additional sets of display commands.
- 1 20. (Currently Amended) The method of Claim 19, wherein the commands include display
- 2 commands associated with a scene graph and associated with a graphical display, which
- 3 commands are adapted for interpretation by a three dimensional (3D) graphics circuit board.
- 4 wherein the interpreting the first dynamic snapshot includes generating the graphical display, and
- 5 wherein the interpreting the selected ones of the one or more additional sets of display
- 6 commands includes updating the graphical display.
- 1 21. (Currently Amended) The method of Claim 19, wherein the display commands include two-
- 2 dimensional display commands associated with a scene graph and associated with a graphical
- 3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
- 4 circuit board, wherein the interpreting the first dynamic snapshot includes generating the
- 5 graphical display, and wherein the interpreting the selected ones of the one or more additional
- 6 sets of display commands includes updating the graphical display.

Docket No. RTN-170AUS

- 22. (Previously Presented) The method of Claim 20, wherein the commands are associated with 1 an air traffic control (ATC) display, wherein the interpreting the first dynamic snapshot includes 2 generating the ATC display, and wherein the interpreting the selected ones of the one or more 3 additional sets of display commands includes updating the ATC display. 4 23. (Currently Amended) A computer program medium having computer readable code thereon 1 2 for storing commands, the medium comprising: instructions for recording a first set of commands to a command queue to provide a first 3 4 dynamic snapshot, wherein the first dynamic snapshot corresponds to a set of commands 5 associated with a first system state; 6 instructions for storing the first dynamic snapshot at a first time; 7 instructions for recording one or more additional sets of commands to the command 8 queue; 9 instructions for storing the one or more additional sets of commands, wherein storing a first one of the one or more additional sets of commands is spaced in time from storing a second 10 one of the one or more additional sets of commands by a first storage interval; .11 .12 instructions for eliminating selected ones of overriding overridden, redundant, and or superfluous commands from the command queue to provide a second dynamic snapshot, wherein 13 the second dynamic snapshot corresponds to a set of commands associated with a second system 14 15 state; and instructions for storing the second dynamic snapshot at a second time as a second 16
- 1 24. (Currently Amended) The computer program medium of Claim 23, wherein the commands

dynamic snapshot, wherein a difference between the first time and the second time corresponds

- 2 include display commands associated with a scene graph and associated with a graphical display,
- 3 which commands are adapted for interpretation by a three dimensional (3D) graphics circuit
- 4 board.

to a second storage interval.

17 18

- 1 25. (Currently Amended) The computer program medium of Claim 23, wherein the commands
- 2 include two-dimensional display commands associated with a scene graph and associated with a
- 3 graphical display, which commands are adapted for interpretation by a three dimensional (3D)
- 4 graphics circuit board.
- 1 26. (Previously Presented) The computer program medium of Claim 23, wherein the commands
- 2 are associated with an air traffic control (ATC) display.
- 1 27. (Previously Presented) The computer program medium of Claim 23, wherein the recording
- 2 the first set of commands and the recording the one or more additional set of commands are
- 3 adapted to store the first set of commands and the one or more additional sets of commands in
- 4 an electronic solid-state memory.
- 1 28. (Previously Presented) The computer program medium of Claim 23, wherein the storing the
- 2 first and second dynamic snapshots and the storing the one or more additional sets of commands
- 3 are adapted to store the first and second dynamic snapshots and the one or more additional sets
- 4 of commands in a non-volatile memory.
- 1 29. (Previously Presented) The computer program medium of Claim 28, wherein the non-
- 2 volatile memory comprises at least one of an electronic non-volatile memory and a tape recorder.
- 1 30. (Previously Presented) The computer program medium of Claim 23, further including:
- 2 instructions for receiving a time of interest, wherein the time of interest is between the
- 3 first time and the second time;
- 4 instructions for retrieving the first dynamic snapshot;
- 5 instructions for retrieving selected ones of the one or more additional sets of commands,
- 6 wherein the selected ones of the one or more additional sets of commands include commands
- 7 recorded at or before the time of interest;

Docket No. RTN-170AUS

- instructions for appending the selected ones of the one or more sets of commands to the
- first dynamic snapshot to provide an intermediate dynamic snapshot associated with the time of
 interest; and
- 4 instructions for interpreting the commands associated with the intermediate dynamic
- 5 snapshot.
- 1 31. (Currently Amended) The computer program medium of Claim 30, further including
- 2 instructions for eliminating selected ones of overriding overridden, redundant, and or superfluous
- 3 commands from within the intermediate dynamic snapshot.
- 1 32. (Currently Amended) The computer program medium of Claim 30, wherein the commands
- 2 include display commands associated with a scene graph and associated with a graphical display,
- 3 which commands are adapted for interpretation by a three dimensional (3D) graphics circuit
- 4 board, and wherein the interpreting the commands includes generating the graphical display.
- 1 33. (Currently Amended) The computer program medium of Claim 30, wherein the commands
- 2 include two-dimensional display commands associated with a scene graph and associated with a
- 3 graphical display, which commands are adapted for interpretation by a three dimensional (3D)
- 4 graphics circuit board, and wherein the interpreting the commands includes generating the
- 5 graphical display.
- 1 34. (Previously Presented) The computer program medium of Claim 30, wherein the commands
- 2 are associated with an air traffic control (ATC) display, wherein the interpreting the commands
- 3 includes generating the ATC display.
- 1 35. (Previously Presented) The computer program medium of Claim 23, further including:
- 2 instructions for receiving a time of interest, wherein the time of interest is between the
- 3 first time and the second time;
- 4 instructions for retrieving the first dynamic snapshot;

Page 9 of 28

1	instructions for interpreting the first dynamic snapshot
2	instructions for retrieving selected ones of the one or more additional sets of commands
3	wherein the selected ones of the one or more additional sets of commands include commands
4	recorded at or before the time of interest; and
5	instructions for interpreting the selected ones of the one or more additional sets of displa
6	commands.
1	36. (Currently Amended) The computer program medium of Claim 35, wherein the display
2	commands include two-dimensional display commands associated with a scene graph and
3	associated with a graphical display, which commands are adapted for interpretation by a three
4	dimensional (3D) graphics circuit board and wherein the instructions for interpreting the first
5	dynamic snapshot include instructions for generating the graphical display, and wherein the
6	instructions for interpreting the selected ones of the one or more additional sets of display
7	commands include instructions for updating the graphical display.
1	37. (Currently Amended) A system for storing commands, comprising:
2	a recording proxy adapted to intercept the commands;
3	a dynamic snapshot generator coupled to the recording proxy for providing dynamic
4	snapshots, wherein each dynamic snapshot corresponds to a respective set of commands and
5	each set of commands is associated with a system state, wherein the dynamic snapshot generator
6	is adapted to eliminate selected ones of overridingoverridden, redundant, and or superfluous
7	commands from each one of the command sets;
8	a command interface coupled to the recording proxy for providing commands;
9	a storage module coupled to the command interface and to the dynamic snapshot
10	generator, for storing the commands and for storing the dynamic snapshots.
1	38. (Currently Amended) The system of Claim 37, wherein the commands include display
2	commands associated with a scene graph and associated with a graphical display, which
3 ·	commands are adapted for interpretation by a three dimensional (3D) graphics circuit board.

- 1 39. (Currently Amended) The system of Claim 37, wherein the commands include two-
- 2 dimensional display commands associated with a scene graph and associated with a graphical
- 3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
- 4 circuit board.
- 1 40. (Previously Presented) The system of Claim 37, wherein the commands are associated with
- 2 an air traffic control (ATC) display.
- 1 41. (Currently Amended) The system of Claim 37, wherein the dynamic snapshot generator
- 2 includes:
- 3 a command queue having:
- 4 a command stack portion for recording commands; and
- 5 a dynamic snapshot portion for recording commands associated with a system
- 6 state, and
- 7 a processor adapted to combine the commands in the command queue to eliminate
- 8 selected ones of overriding overridden, redundant, and or superfluous commands in the command
- 9 queue.
- 1 42. (Previously Presented) The system of Claim 41, wherein the storage module is adapted to
- 2 store commands associated with the command stack portion and to store commands associated
- 3 with the dynamic snapshot portion.
 - 43. (Previously Presented) The system of Claim 41, wherein the storage module is adapted to provide display commands associated with the command stack portion and the display commands associated with the dynamic snapshot portion for generating a graphical display.

DCM, LLP

Appl. No. 10/617,603 Response to Office Action dated April 7, 2006

Docket No. RTN-170AUS

Amendments to the Drawings:

The attached sheets of drawings includes changes to FIGS. 5 and 6. Attached FIGS. 5 and 6 replace the original sheet having FIGS. 5 and 6.